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Notice of Allowability	Application No.	Applicant(s)	
	10/791,867	MOCHIZAI, TADASHI	
	Examiner	Art Unit	
	David A. Reifsnyder	1723	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communication filed on June 7, 2004.
2. ☒ The allowed claim(s) is/are 1-8 (renumbered claims 1-3,6,7,4,5 and 8, respectively).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

The main reason for the allowance of claim 1 is the instantly claimed activating method comprising: providing at least one pair of permanent magnets with an N pole and an S pole thereof being opposed to each other across a water flow tube and arranging concave yokes in a pair that are formed by molding magnetic metal or magnetic ceramic so that the concave yokes are opposed to each other with a predetermined gap therebetween and that each of the concave yokes magnetically makes a contact with a surface of one of the permanent magnets opposite to a surface thereof that is opposed to another one of the permanent magnets; laminating a non-magnetic conductive metal layer inside the concave yokes including the gap therebetween and excluding contact areas that make a contact with the permanent magnets, the non-magnetic conductive metal layer being formed by single plating made of either one of metals of copper, silver, and gold or composite plating made of the metals, or a composite metal plate formed by laminating films made of the metals, thereby improving an electric potential inside the pair of the concave yokes; and causing, with water passing through the water flow tube, an electromotive current occurring in a direction perpendicular to a direction of a flow of water and a direction of magnetic lines of force occurring between the permanent magnets to repulsively act by an electric potential

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inside the yokes in a longitudinal direction of the water flow tube, thereby performing a process by causing electrons and a magnetic force occurring between the permanent magnets to act upon the flow of water in the water flow tube.

The main reason for the allowance of claims 2-8 (re-numbered 2, 3, 6, 7, 4, 5 and 8, respectively) is the instantly claimed water activating apparatus comprising: at least one pair of concave yokes formed by molding magnetic metal or magnetic ceramic; an N pole formed by a permanent magnet provided so as to magnetically make a contact with an inner surface of one of the concave yokes; and an S pole formed by a permanent magnet provided so as to magnetically make a contact with an inner surface of another one of the concave yokes, wherein the concave yokes are arranged so as to have a predetermined gap with the N pole and the S pole being opposed to each other, a non-magnetic conductive metal layer is laminated inside the concave yokes including the gap therebetween and excluding contact areas that make a contact with the N pole and the S pole, the non-magnetic conductive metal layer being formed by single plating made of either one of metals of copper, silver, and gold or composite plating made of the metals, or a composite metal plate formed by laminating films made of the metals, and a non-magnetic water flow tube is provided between the N pole and the S pole that are opposed to each other to allow a flow of water to pass therethrough in a direction perpendicular to a direction of magnetic lines of force from the N pole to the S pole, thereby activating the flow of water.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Sato and Clair who both disclose water activating apparatus and methods comprising providing at least one pair of permanent magnets with an N pole and an S pole thereof being opposed to each other across a water flow tube. JP 2002-254082 A, JP 2002-192159 A, JP 2002-66566 A who all disclose water activating apparatuses and methods as disclosed on paragraph [0004] of the applicant's specification. JP 11-18173 A who discloses a water activating apparatus and method as disclosed on paragraph [0004] of the applicant's specification.

Conclusion

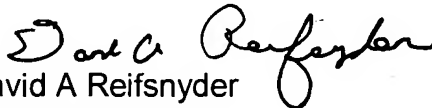
Any inquiry concerning this communication or earlier communications from the examiner should be directed to David A. Reifsnnyder whose telephone number is (571) 272-1145. The examiner can normally be reached on M-F 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wanda M. Walker can be reached on (571) 272-1151. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


David A Reifsnyder
Primary Examiner
Art Unit 1723

DAR